

Converting Colors

$Yxy(36.9772, 0.2025, 0.2085)$

Have a look what the booklet for
Yxy(36.9772, 0.2025, 0.2085)
contains.

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Color

Yxy(36.8030, 0.2044, 0.2142)

Conversions

Conversions Part 1

Format	Color
Hex	4DA8FF
RGB	77, 168, 255
RGB Percent	30%, 66%, 100%
CMY	0.6979, 0.3412, 0.0000
CMYK	0.70, 0.34, 0.00, 0.00
HSL	209°, 100%, 65%
HSV	209°, 70%, 100%
XYZ	35.1192, 36.8030, 99.8939
YIQ	150.7090, -82.1630, 7.7650

Conversions

Conversions Part 2

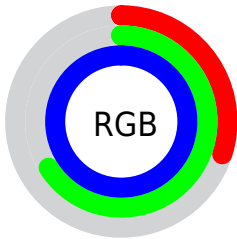
Format	Color
R _Y B	77, 137, 255
Decimal	5089535
CIE Lab	67.13, 0.47, -51.01
CIE LCh	67, 51.014, 270.533
Yxy	36.8030, 0.2044, 0.2142
Android (android.graphics.Color)	4283279615 (0xFF4DA8FF)
YUV	150.7090, 51.4155, -64.6428
Hunter-Lab	60.6655, -2.8311, -55.1631

Details

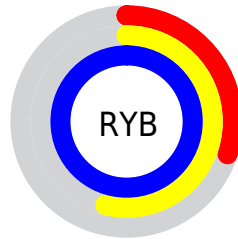
The Yxy color **36.8030, 0.2044, 0.2142** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **48.3593, 0.4749, 0.4111**, and the grayscale version is **30.6212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9246, 0.2472, 0.2914**, and **16.5680, 0.1852, 0.1867** is the 20% darker color. If you saturate the color by 10%, you get **31.5560, 0.1931, 0.1950**, and if you desaturate by 10%, it is **42.9040, 0.2178, 0.2336**.

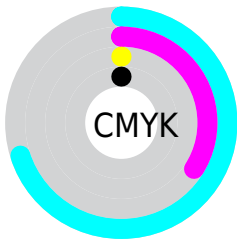
Distribution



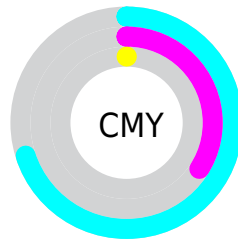
- Red (30%)
- Green (66%)
- Blue (100%)



- Red (30%)
- Yellow (54%)
- Blue (100%)



- Cyan (70%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8030, 0.2044, 0.2142 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 36.8030, 0.2044, 0.2142 by changing the saturation by 10% instead.


 36.8030, 0.2044,
0.2142


 36.8030, 0.2044,
0.2142


332.4568, 0.2574,
0.2703


 25.0550, 0.1920,
0.2011


 70.2697, 0.2231,
0.2340


 16.1180, 0.1768,
0.1850


 92.7572, 0.2303,
0.2416

 9.6077, 0.1577,
0.1649


 119.5933, 0.2365,
0.2481

 5.1396, 0.1335,
0.1394

 151.1624, 0.2418,
0.2537

 2.3294, 0.1027,
0.1070

187.8489, 0.2464,
0.2587

 0.7892, 0.0647,
0.0671

230.0372, 0.2505,

 0.0000, 0.0000,

0.2630

0.0000

278.1117, 0.2541,
0.2668

■ 36.8030, 0.2044,
0.2142

■ 36.8030, 0.2044,
0.2142

■ 31.5560, 0.1931,
0.1950

■ 42.9040, 0.2178,
0.2336

■ 27.1030, 0.1841,
0.1763

■ 49.9184, 0.2327,
0.2524

■ 23.3471, 0.1774,
0.1586

■ 57.8942, 0.2486,
0.2704

■ 23.2749, 0.1773,
0.1582

■ 66.8764, 0.2649,
0.2872

■ 76.9066, 0.2813,
0.3027

■ 88.0238, 0.2975,
0.3167

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8030, 0.1815, 0.2374



36.8030, 0.2044, 0.2142



36.8030, 0.2547, 0.2174

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.8030, 0.2044, 0.2142



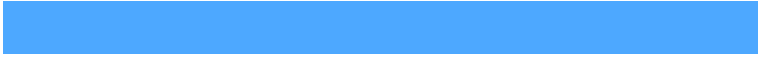
36.8030, 0.4569, 0.3398



36.8030, 0.2840, 0.4444

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.8030, 0.2044, 0.2142



48.3593, 0.4749, 0.4111

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.8030, 0.3576, 0.4713



36.8030, 0.2044, 0.2142



36.8030, 0.4617, 0.3965

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.8030, 0.2044, 0.2142



36.8030, 0.4054, 0.2861



36.8030, 0.4231, 0.4469



36.8030, 0.2221, 0.3705

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.8030, 0.2044, 0.2142



36.8030, 0.3017, 0.2322



36.8030, 0.4231, 0.4469



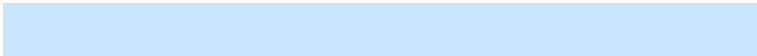
36.8030, 0.3082, 0.4598

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.8016, 0.2044, 0.2142



75.6394, 0.2794, 0.3009



75.7449, 0.2703, 0.4506



15.5819, 0.2749, 0.2967



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.8016, 0.2044, 0.2142



29.5903, 0.1890, 0.1870



14.5352, 0.1781, 0.1079



18.9130, 0.2979, 0.3171



12.4617, 0.1781, 0.1611



1.4321, 0.1837, 0.1814

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.3984, 0.4233, 0.2442



25.0432, 0.4577, 0.2410



91.4382, 0.4086, 0.4827



18.1421, 0.3214, 0.3169



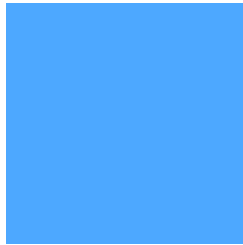
11.9860, 0.4917, 0.2482



1.1891, 0.4669, 0.2346

Previews

White Background



This preview shows how the Yxy color 36.8030, 0.2044, 0.2142 looks on a white background.

Color Contrast Check

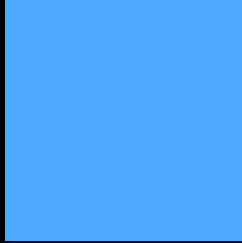
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.8030, 0.2044, 0.2142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

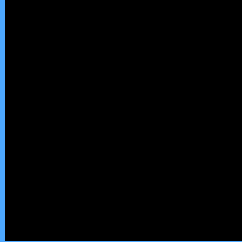
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

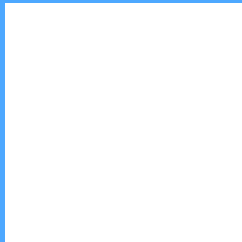
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8030, 0.2044, 0.2142

Background



This preview shows how black text looks on a background with the Yxy color 36.8030, 0.2044, 0.2142.



This preview shows how white text looks on a background with the Yxy color 36.8030, 0.2044, 0.2142.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.8030, 0.2044, 0.2142

Protanopia

36.3989, 0.2291, 0.2155

Deuteranopia

36.5054, 0.2166, 0.2100



Tritanopia

36.8023, 0.2203, 0.3048

Trichromacy



Original Color

36.8030, 0.2044, 0.2142

Protanomaly

36.1852, 0.2178, 0.2136

Deuteranomaly

36.4236, 0.2113, 0.2110

Tritanomaly

36.6183, 0.2128, 0.2674

Monochromacy



Original Color

36.8030, 0.2044, 0.2142

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.0732, 0.2583, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8030, 0.2044, 0.2142 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(77, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 168, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(77, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.8030, 0.2044, 0.2142 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 168, 255) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(77, 168, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(77, 168, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8030, 0.2044, 0.2142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 168, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(77, 168,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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